

Start FR	End FR	Day 1 (June 21st)	Day 2 (June 22nd)	Day 3 (June 23rd)	Day 4 (June 24th)	Day 5 (June 25th)	Start JP	End JP				
		Chair: T. Shoji / J.-Y. Cavallé	Chair: M. Ohta / D. Fabregue	Chair: H. Miki / M. Lallart	Chair: T. Uchimoto / G. Sebald	Chair: K. Ogawa / N. Mary						
08:30	08:35	Opening - A.-C. Hladky (CNRS) - M. Kotani (Tohoku) - M. Lallart/J. Fontaine, T. Uchimoto/Y. Sato (ELYT Global) - M.-C. Baietto (INSA Lyon) - K. Maruta (IFS TU) - C. Corre (ECL)	JSPS Core to core program symposium - Construction of an international research exchange center for ammonia combustion and materials toward the realization of a low-carbon society	Introduction of "Core to Core program" K. Maruta and T. Tokumasu	Invited Elie Lefevre, Marion Woytasik, Xavier Leroux, Fabien Parrain <i>Biomechanical energy harvesting for leadless pacemaker application</i>	Invited J. Kittel and F. Ropital <i>Presentation of the corrosion loop CORTEX</i>	15:30	15:35				
08:35	08:40							15:35	15:40			
08:40	08:45							15:40	15:45			
08:45	08:50							15:45	15:50			
08:50	08:55							15:50	15:55			
08:55	09:00							15:55	16:00			
09:00	09:05	M. Ohta, V. Fridrici <i>Tribology for health devices: 15 years of collaboration between Tohoku University (Ohta lab) and ECL (LTDS)</i>	Invited H. Kobayashi <i>Role of ammonia combustion and Japan's perspectives</i>	G. Plet, J. Raviol, H. Magoaric, C. Pailler-Mattei <i>Towards the in situ characterization of cerebral aneurysms : first steps of experimental and numerical designs</i>	S. Aota, A. Chiba, K. Yamanaoka, E. Maire, J. Adrien, D. Fabregue <i>Characterization of gas-atomized powders and electron beam melted Co-Cr-Mo-C alloys</i>	H. Koibuchi, S. Noro, S. Hongo, S. Nagahiro, H. Ikai, M. Nakayama, T. Uchimoto, J.-P. Rieu <i>Langvin Navier-Stokes simulation of the protoplasmic streaming</i>	16:00	16:05				
09:05	09:10							16:05	16:10			
09:10	09:15							16:10	16:15			
09:15	09:20	S. Hirose, J.-P. Rieu, C. Anjard, O. Cochet-Escartin, K. Funamoto <i>Reduced oxygen availability triggers aerotaxis and aerokinesis of Dictyostelium</i>		Panel discussion Moderator: N. Mary <i>Materials System for Ammonia Combustion</i>	M. Decroocq, E. Maury, G. Lavoué, C. Frindel, M. Ohta <i>Structured hexahedral meshing of a physiological model of vessel n-furcation for computational fluid dynamics</i>	G. Coativy, G. Diguët, K. Yuse, L. Seveyrat, V. Perrin, F. Dalmas, S. Livi, H. Takana, J. Courbon, J.-Y. Cavaille <i>Role of Charge Carrier Transport in the mechanisms of Polyurethane Actuation</i>	S. Colson, M. Kuhni, A. Hayakawa, H. Kobayashi, C. Galizzi, D. Escudie <i>Local stabilization dynamics of ammonia/methane non-premixed flames</i>	16:15	16:20			
09:20	09:25								16:20	16:25		
09:25	09:30								16:25	16:30		
09:30	09:35	Y. Kohata, H. Anzai, M. Decroocq, S. Rit, C. Frindel, M. Ohta <i>Virtual Angiography System as a Platform for Blood Flow estimation</i>			Z. Wang, H. Anzai, Y. Kojima, N. K. Putra, J.-P. Rieu, N. Ohtsu, H. Taniho, M. Ohta <i>Endothelial cells distribution after the flow exposure experiment</i>	H. Abe, B. Ter-Ovanesian, K. Jaffré, N. Mary, Y. Watanabe, B. Normand <i>Influence of mechanical surface treatment on passive and oxide behavior of 304L Stainless Steel</i>	S. Morita, A. Yakeno, C. Bogey, S. Obayashi <i>Modal approach for extracting flow structure related to the subsonic jet noise generation</i>	16:30	16:35			
09:35	09:40							16:35	16:40			
09:40	09:45							16:40	16:45			
09:45	09:50	Coffee break & Gathering			Group Photo	Closing	16:45	16:50				
09:50	09:55			Coffee break & Gathering	Coffee break & Gathering		16:50	16:55				
09:55	10:00			Coffee break & Gathering			16:55	17:00				
		Chair: M. Lallart / H. Kurita	Chair: F. Gillot / A. Komiya	Chair: L. Joly-Pottuz / Y. Sato	Chair: V. Fridrici / A. Chiba							
10:00	10:05	G. Diguët, G. Sebald, M. Nakano, M. Lallart, J.-Y. Cavallé <i>MagnetoRheological Materials for energy conversion</i>	Y. Kaneko, W. L. Sulen, C. A. Bernard, H. Saito, Y. Ichikawa, K. Ogawa <i>Progressive improvement in deposition efficiency for cold sprayed fluoropolymer coatings</i>	S. Dancette, Y. Amani, J. Luksch, A. Jung and E. Maire <i>In situ characterization and modeling of the deformation and fracture of an aluminum foam</i>	G. Taxil, M. Lallart, G. Sebald, E. Lefevre, B. Ducharne, A. Bartaszyte, M. Ouhabaz, H. Kuwano, T. T. Nguyen <i>Modeling ferroelectric phase transitions for energy harvesting</i>	Gathering time	17:00	17:05				
10:05	10:10										17:05	17:10
10:10	10:15										17:10	17:15
10:15	10:20						C. A. Bernard, H. Takana, O. Lame, K. Ogawa, J.-Y. Cavallé <i>Nozzle design for polymer coating by cold spray process</i>	G. Diguët, H. Miyauchi, S. Takeda, T. Uchimoto, N. Mary, T. Takagi <i>EMAR monitoring system of a carbon steel thinning in a corrosive environment</i>	T. Wada, S.-H. Joo, H. Kato <i>Beating Thermal Coarsening in Nanoporous Materials via High-Entropy Design</i>	S. Zhang, S. Takeda, T. Uchimoto, G. Sebald, B. Ducharne <i>Magnetization mechanisms NDT</i>	17:15	17:20
10:20	10:25										17:20	17:25
10:25	10:30										17:25	17:30
10:30	10:35	Y. Liu, B. Ducharne, K. Makihara, G. Sebald, M. Lallart <i>Magnetic characterization of Metglas under tensile stress for energy harvesting applications</i>	M. Lallart, H. Miki, L. Yan, G. Sebald, G. Diguët, M. Ohtsuka, M. Kohl <i>Heat engine based on MultiPhysic Memory Alloys and pyroelectric conversion for thermal energy harvesting</i>	H. Kurita, T. Kanno, Z. Wang, F. Narita <i>Tensile properties and microstructure of cellulose nanofiber reinforced silkworm silk fibers</i>	F. Gillot, P. Mohanasundaram, S. Besset, K. Shimoyama <i>Shape optimization with respect to mechanical stability criteria</i>	17:30	17:35					
10:35	10:40								17:35	17:40		
10:40	10:45								17:40	17:45		
10:45	10:50	G. Sebald, G. Lombardi, L. Maury, J. Jay, A. Komiya, X. Sze Way, G. Coativy, H. Haissoune, L. Lebrun <i>Elastocaloric cooling using natural rubber: material properties, heat transfer and heat losses effects on proof of concept performances</i>	Vincent Fridrici <i>Presentation of LTDS</i>	Toshiyuki Takagi <i>Introduction of Tohoku Forum for Creativity Activities</i>	M. Kubo, Y. Wang, M.-I. De Barros Bouchet, J.-M. Martin <i>Simulations and Experiments Exploring the Role of OH-Termination in the Lubricity and Stability of H-free DLC</i>	17:45	17:50					
10:50	10:55								17:50	17:55		
10:55	11:00								17:55	18:00		